Generating and Analyzing Business Process-Aware Modules

ABSTRACT

Techniques are disclosed for efficiently analyzing measurement data for business processes (for example, in a service provider environment). Business process-aware modules or "cubes" are created from the measurement data, using features of a spatially-enabled database system. A "drill-down" approach is provided for investigating underlying information for a cube (including lower-level linked cubes). Data types other than cubes, such as planes from which a cube is constructed, may also be analyzed. The disclosed techniques may be used to provide autonomic systems, which are self-aware, at a business process level. That is, based on results of analyzing data represented by a cube, autonomic adjustments may be made. In a service provider environment, the analysis and/or the autonomic adjustments may be directed toward enabling the service provider to avoid jeopardizing commitments in service level agreements (and the revenue loss that may result when the commitments are not met).

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